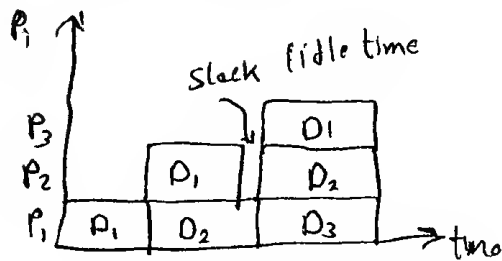


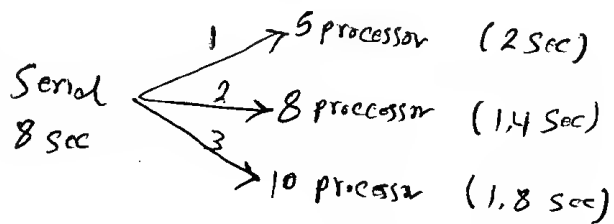
Slide

17

Pipeline in time Line

Tightly Coupled  $\rightarrow$  HW  $\rightarrow$  multi processor  
 $\rightarrow$  ~~SW~~ function

Loosly Coupled  $\rightarrow$  HW  
 $\rightarrow$  ~~SW~~ function

Speedup and Efficiency

$$\textcircled{1} S = \frac{8}{2} = 4, E = \frac{4}{5} = 0.8$$

$$\textcircled{2} S = \frac{8}{1.4} = 5.7, E = \frac{5.7}{8} = 0.71$$

$$\textcircled{3} S = \frac{8}{1.8} = 4.4, E = \frac{4.4}{10} = 0.44$$